

ZM Survey Response		
State of Colorado		
Dr. Elizabeth Brown, Dr. Chris Knud-Hansen		
1	What agency (or agencies) in charge of ZM issue?	The primary agency is the Colorado Dept of Natural Resources. Within DNR, the Department of Fish & Wildlife and the State Parks Department are responsible for implementation of policy, law and protocols related to invasive species. Other state agencies also have a hand in supporting invasive species issues and public education: Dept of Agriculture (weed control), Dept of Public Health, Colorado Environmental Protection Agency, Department of Tourism and local community governments.
2a	When ZMs first discovered?	In 2008, ZM veligers and juveniles were found in three geographically separate lake systems.
2b	How were they discovered?	Beginning in 2004, Colorado had implemented a state-wide monitoring program for invasive species, not related to ZM. ZM veligers were found during routine screening of the lakes.
3	What actions were taken at the infected lake upon the discovery?	Implemented a 24/7 cleaning station to inspect and clean all boats entering and leaving the affected bodies of water.
4	What immediate actions were taken to prevent spread to other lakes?	Implemented a 24/7 cleaning station to inspect and clean all boats entering and leaving the affected bodies of water.
5	Do you target only water bodies susceptible to ZM growth?	No. All publicly accessible waters and all water craft are treated equally. Water testing in the contaminated water show low Ca levels (4-6 mg)
6	What do you believe is the most probable transfer mechanism from lake to lake?	Watercraft. Transient, out-of-state watercraft.
7	What actions are taken now upon discovery of a new infestation?	
8	What is your states program now to attempt to prevent transfer from lake to lake?	112 boat cleaning stations have been implemented state-wide. Marina operators and sportsman clubs have been trained and certified to perform inspections and boat cleaning.
9a	Do you have boat ramp monitoring program?	Yes
9b	If so, how many hours/day/week?	Varies. Also spot checking on water.

10	Do you prohibit launching of boats known to be recently in infected waters?	No. Inbound watercraft are inspected. Outbound watercraft are inspected and cleaning.
11a	What enforcement powers do you have to prevent launching?	Fines, points on operator licenses, quarantine &/or impoundment of watercraft.
11b	Under what conditions?	non- compliance, failure to have watercraft cleaned and inspected.
11c	What financial penalties?	Fines begin at \$50 per occurrence.
12	What has been the impact on water bodies impacted with ZM?	Too early to tell. Only veligers and juvenile have been found. No large adult clusters.
13	Have you been successful in preventing or reducing the spread?	Too early to tell.
14a	What has been the ecological change in the infected lakes?	No visible / detectible damage. Too early to tell.
14b	Over how many years?	1.5 years
14c	How has the change affected recreational usage of the lake?	Watercraft are required to be inspected and cleaned before entry in to uncontaminated water and cleaned and inspected on exit from contaminated water.
15a	Do you have a standardized, certified boat washing/decontamination process?	Yes
15b	How much does it cost?	
15c	Who bears the cost?	
16a	Do you issue permits for fishing tournaments/derbies?	No - Tournament operators / clubs are trained and certified for inspection and cleaning. Spot checks are conducted to insure that proper procedures are being followed.
16b	Do you place any special ZM restrictions or requirements on the permit?	No

17a	What is your boat registration policy?	No applicable invasive species regulations.
17b	How much does it cost?	No applicable invasive species fees.
17c	Is any part of that registration fee set aside for lake preservation, invasive specie protection, boat ramp maintenance, etc?	No applicable invasive species fees.
18	Do you have an education/public relations program?	Yes. Started in 2004. Participate at trade and consumer events. Information booths. WEB documents.
19	How do you combat the attitude of some that the spread is inevitable, and it does it matter anyway since they are not all that bad?	Colorado seems to be pretty enlightened in this regard.